



LCAC FLEET SUPPORT CONFERENCE

**OPNAV RESOURCE
SPONSOR for LCAC**

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LCAC Major Elements

- SCN - **SLEP**
- OPN - **System Upgrades** and **Fleet Modernization Program**
- OMN - **Fleet** (ACUFOUR and ACUFIVE)
Operating Funds and NAVSEA Life Cycle Management
- RDT&E - **Sea Base-to-Shore (Assault) Connector** (FY06-11) and Platform Modernization (FY06-11)



SLEP - ALTERNATE STRATEGY

BUOYANCY BOX

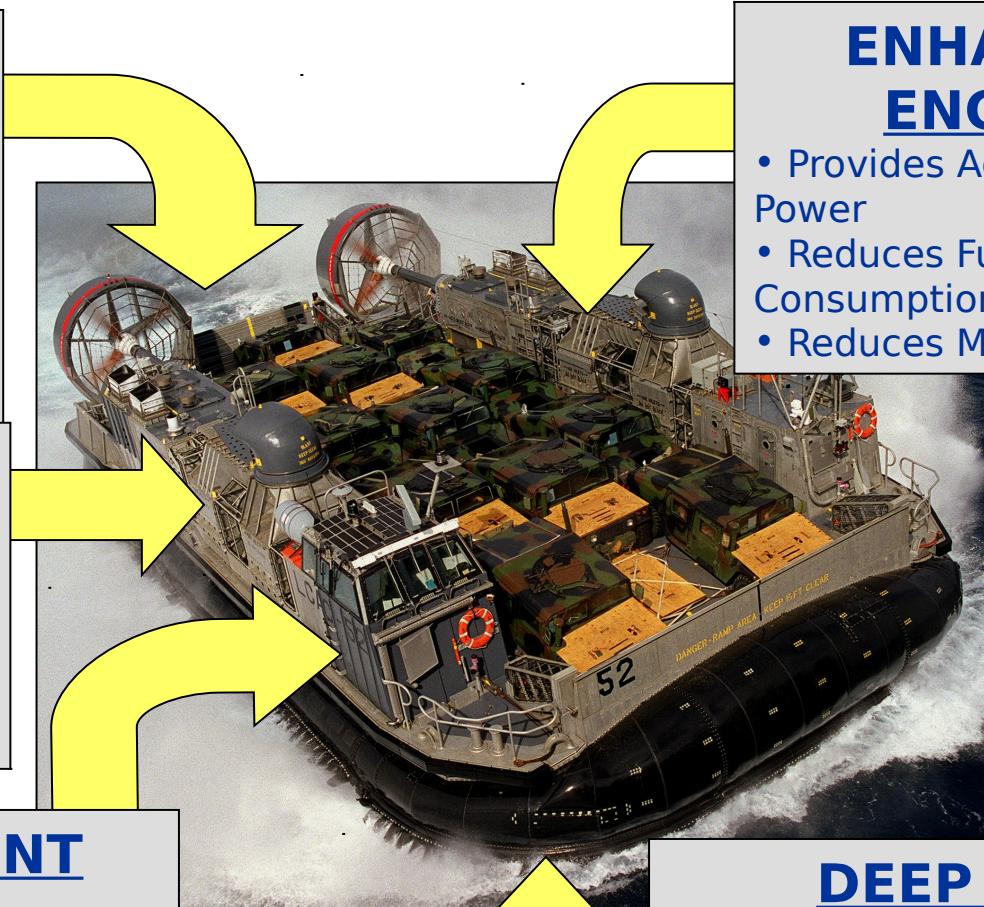
- REFURBISHMENT
- and Improvements

ROTATING MACHINERY REFURBISHMENT

- Extends Useful Life of Equipment
- Reduces Maintenance

C4N REPLACEMENT

- Introduces Open Architecture
- Introduces Modern COTS Equipment
- Provides Precision Navigation
- Provides Common Tactical Picture
- Provides Comm Suite Interoperability



ENHANCED ENGINES

- Provides Additional Power
- Reduces Fuel Consumption
- Reduces Maintenance

DEEP SKIRT

- Reduces Drag
- Increases Performance Envelope
- Reduces Maintenance
- Increases Obstacle Clearance



POM06 FYDP

Submitted to OMB

PROGRAM TITLE	APPN	FY-04	FY-05	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY06 - FY11 TOTAL
LCAC SLEP	SCN	72,513	90,490	110,550	109,128	112,298	109,486	112,294	115,086	668,842
Quantity		4	5	6	6	6	6	6	6	36
ACU4 OPTAR	OMN	14,900	12,611	12,711	12,618	13,603	14,567	14,943	15,330	83,772
ACU5 OPTAR	OMN	15,737	13,732	14,483	14,698	15,045	16,115	16,523	16,949	93,813
NAVSEA FLEET SUPPORT	OMN	11,522	23,900	33,329	28,163	30,445	26,396	28,082	28,068	174,483
LCAC FMP - Mat'l	OPN	611	1,596	3,279	3,370	3,370	3,370	3,437	3,506	20,332
LCAC FMP - Labor	OPN	1,289	3,412	7,296	7,378	7,526	7,676	7,830	7,986	45,692
LCAC Systems Upgrade	OPN	10,548	8,365	19,666	25,603	14,885	7,404	0	0	67,558
LCAC Phased Maintenance	OPN	0	0	1,764	6,930	4,648	8,697	7,011	7,025	36,075
LCAC	RTDEN	0	0	1,955	1,955	1,957	2,450	2,499	2,550	13,366
HLCAC	RTDEN	0	1,997	0	0	0	0	0	0	1,997
Marine Gas Turbines (TF40B) for LCAC	OMN	1,218	2,423	1,925	1,848	974	1,017	1,043	1,070	7,877
		128,342	158,531	206,964	211,697	204,757	197,184	193,668	197,576	1,211,846



POM06

ACCOMPLISHMENTS

- **SLEP**
 - Added Improved Comms Funding - i.e. SATCOM
 - Added Maintenance Trainer (SLEP)
- **OPN**
 - Added Improved Comms Funding - i.e. SATCOM
 - Partially funded Phased Maintenance
- **RDT&E**
 - Added Assault Connector Development and Production
 - Saved \$2M HLCAC FY05 R&D for Initial Assault Connector Studies



PRO7 MAJOR ISSUES

- **FLEET OPS & MAINTENANCE FUNDING**
- **CFFC SEA ENTERPRISE BOD INITIATIVE - LAYUP 9 TO 15 LCAC PER COAST**
- **PHASED MAINTENANCE - TARGET FULL FUNDING \$12M/YEAR**



FLEET OPTAR FUNDING

- **OPTAR - Only Source of LCAC Fleet Support**
 - Funds All Operational and Support Costs
 - All Maintenance
- **Account Historically Under Funded in End Game**
 - N753 Discretionary Account
 - New Initiative - **LCAC Cost/Performance Model**
 - Submitted to N81 for VV&A
 - Plan to use to support PR07 Issues



CFFC SEA ENTERPRISE BOD INITIATIVE

- **LAYUP 9 TO 15 LCAC PER COAST**
 - Not Acted Upon in FY06
 - Will Probably Reappear FY07

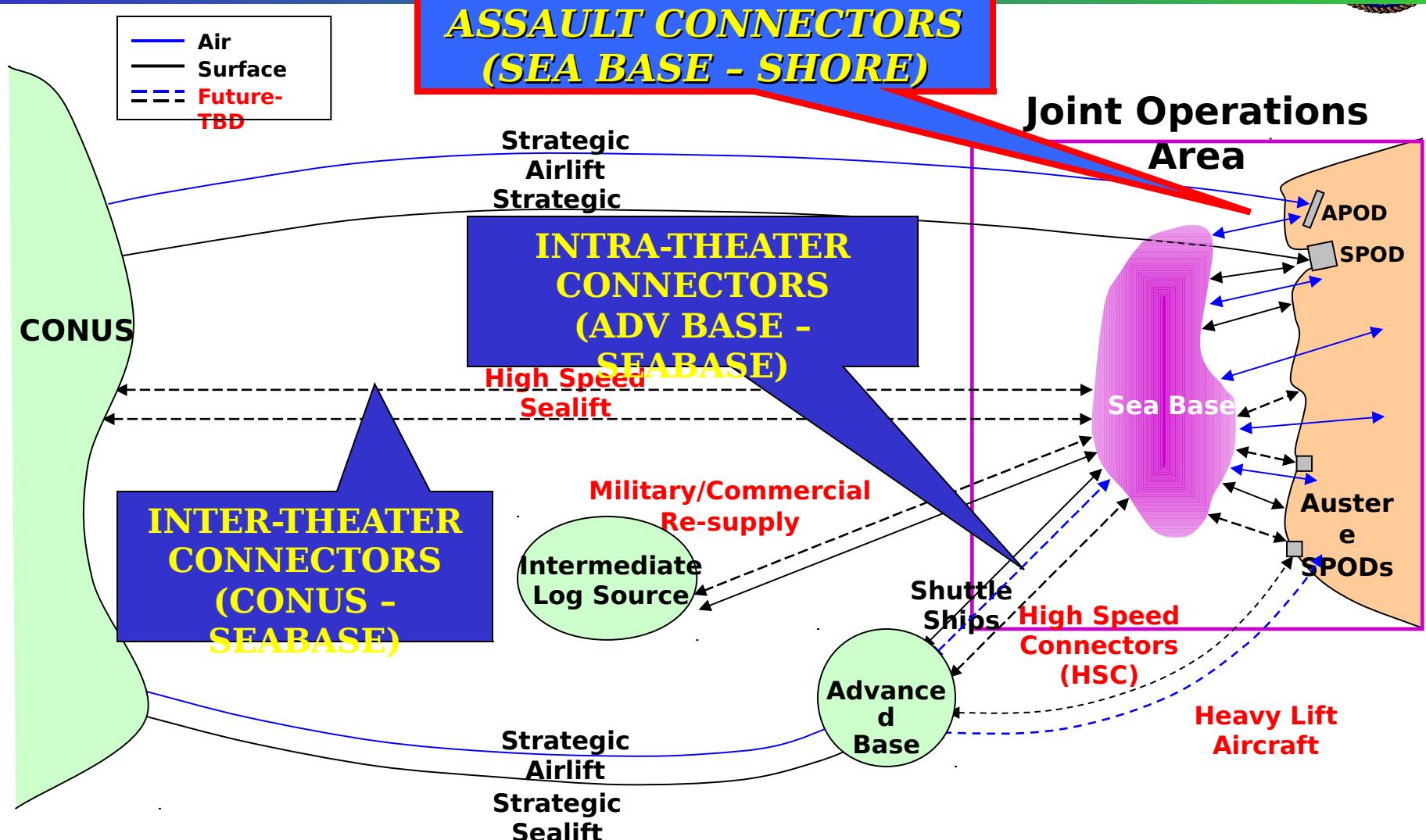


PHASED MAINTENANCE

- Will Target Full Funding
- Helps to Offset OMN Shortfall



Sea Base Overview





LCAC(X) CHALLENGES

- **Develop and Apply Improved Technology**
 - Greater Payload
 - Greater Range
 - Reduced Crew
 - Improved Reliability/Maintainability
 - Increased Survivability
 - Increased Load/Unload Transfer Flexibility
 - Improved Load Securing Devices/Equipment
 - Reduced Total Time for Load/Unload
 - Improved Ride Quality



QUESTIONS

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BACKUP



Sea Base to Shore Connectors

Description/Requirements

Funding

Replace existing LCAC (SLEP) and LCU

- Provide sealift from Sea Base to Shore and from legacy welldecks/ESGs to shore.
- Fills key Seabasing Capability Gap
- Notionally - twice lift capacity of LCAC SLEP (144 tons lift) and 37 ft longer
- RDTEN and SCN funding lines available to perform developmental R&D and construct first vessels.

(TY\$M)	FY06	FY07	FY08	FY09	FY10	FY11	FYDP
R&D (Concept studies)	14.56	14.14	13.49				42.18
R&D (Contract design)				17.97	22.23	8.72	1.70
SCN						98.00	207.08
Total	14.56	14.14	31.46	22.23	106.72	208.78	397.89

Capability Impact: Sea Strike; required to deliver MEU/MEB ashore

Sea Base; fills connector capability gap

Program Status

Issues/Reason for Adjustment

Translate Concepts into Programmatics

- No Program(s) of Record
- IOC FY14 to replace existing LCAC(SLEP) which begin reaching end of service life.

LCAC(X), LCH(X) re-classified as Sea Base to Shore (Assault) Connectors

- POM 06 new concept